

ABSTRACT OF THE DISCLOSURE

A functional multilayer film and a method for manufacturing the same is provided wherein the intervals of
5 fine metallic bodies in the thickness direction of film and the arrangement thereof in the surface direction of film are regular, and the fine metallic bodies arranged on each layer in the surface direction of film are aligned in the thickness direction of film.

10 A functional multilayer film is obtained by fixing a plurality of fine metallic bodies 4 to a matrix 1 made of a dielectric substance. The matrix 1 is obtained by laminating metal-arranged thin films, each metal-arranged thin film comprising a dielectric thin film 2 formed to have
15 predetermined thickness and the fine metallic bodies 4 arranged on the dielectric thin film. A plurality of recesses 3a is regularly formed on the surface 2 of the dielectric thin film 2, and the fine metallic bodies 4 are arranged in the lower parts of the recesses 3a.